ST. XAVIER’S COLLEGE

**(Affiliated to Tribhuvan University)**

Maitighar, Kathmandu



**Computer Graphics Lab Assignment #2**

**To Make a Simple Calculator**

**Submitted by:**

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**Submitted to:**

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| --- | --- |
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**STATEMENT:**

To Make a Simple Calculator

**SOURCE CODE:**

//---------------------------------------------------------------------------

#include <vcl\vcl.h>

#pragma hdrstop

#include "Calc.h"

//---------------------------------------------------------------------------

#pragma resource "\*.dfm"

TForm1 \*Form1;

int X,Y,oper;

//---------------------------------------------------------------------------

\_\_fastcall TForm1::TForm1(TComponent\* Owner)

: TForm(Owner)

{

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::butClick(TObject \*Sender) // Numeric input

{

displayPanel->Text=((TButton \*)Sender)->Caption;

X=StrToInt(displayPanel->Text);

}

//---------------------------------------------------------------------------

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::butPlusClick(TObject \*Sender)

{

displayPanel->Text="";

oper=1;

Y=X;

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::butSubClick(TObject \*Sender)

{

displayPanel->Text="";

oper=2;

Y=X;

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::butMulClick(TObject \*Sender)

{

displayPanel->Text="";

oper=3;

Y=X;

}

//---------------------------------------------------------------------------

void \_\_fastcall TForm1::butDivClick(TObject \*Sender)

{

displayPanel->Text="";

oper=4;

Y=X;

}

//--------------------

void \_\_fastcall TForm1::butEqualsClick(TObject \*Sender)

{

switch(oper){

case 1:{

displayPanel->Text=(X+Y);

}

case 2:{

displayPanel->Text = (X-Y);

}

case 3:{

displayPanel->Text = (X\*Y);

}

case 4:{

displayPanel->Text = (X/Y);

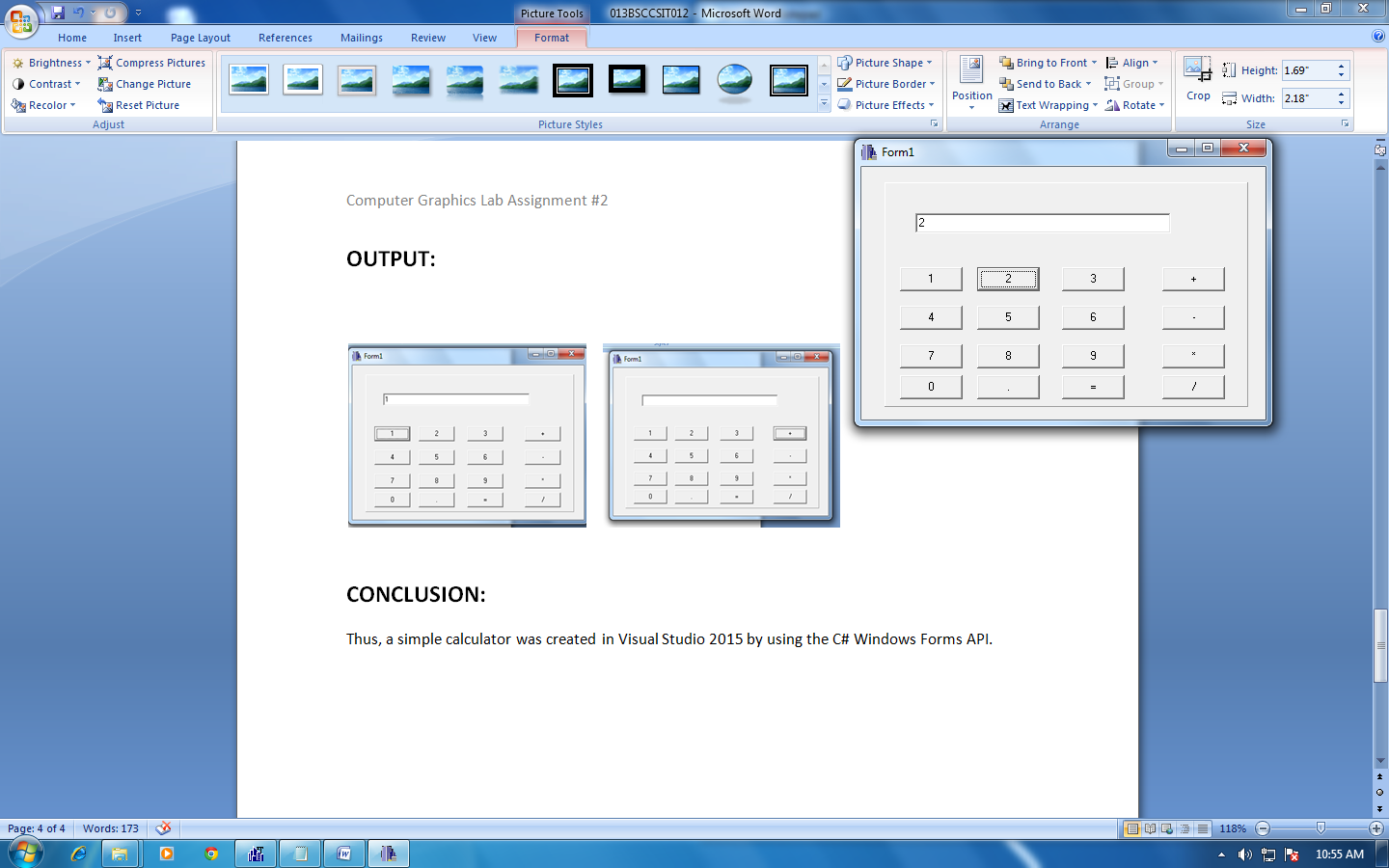
}

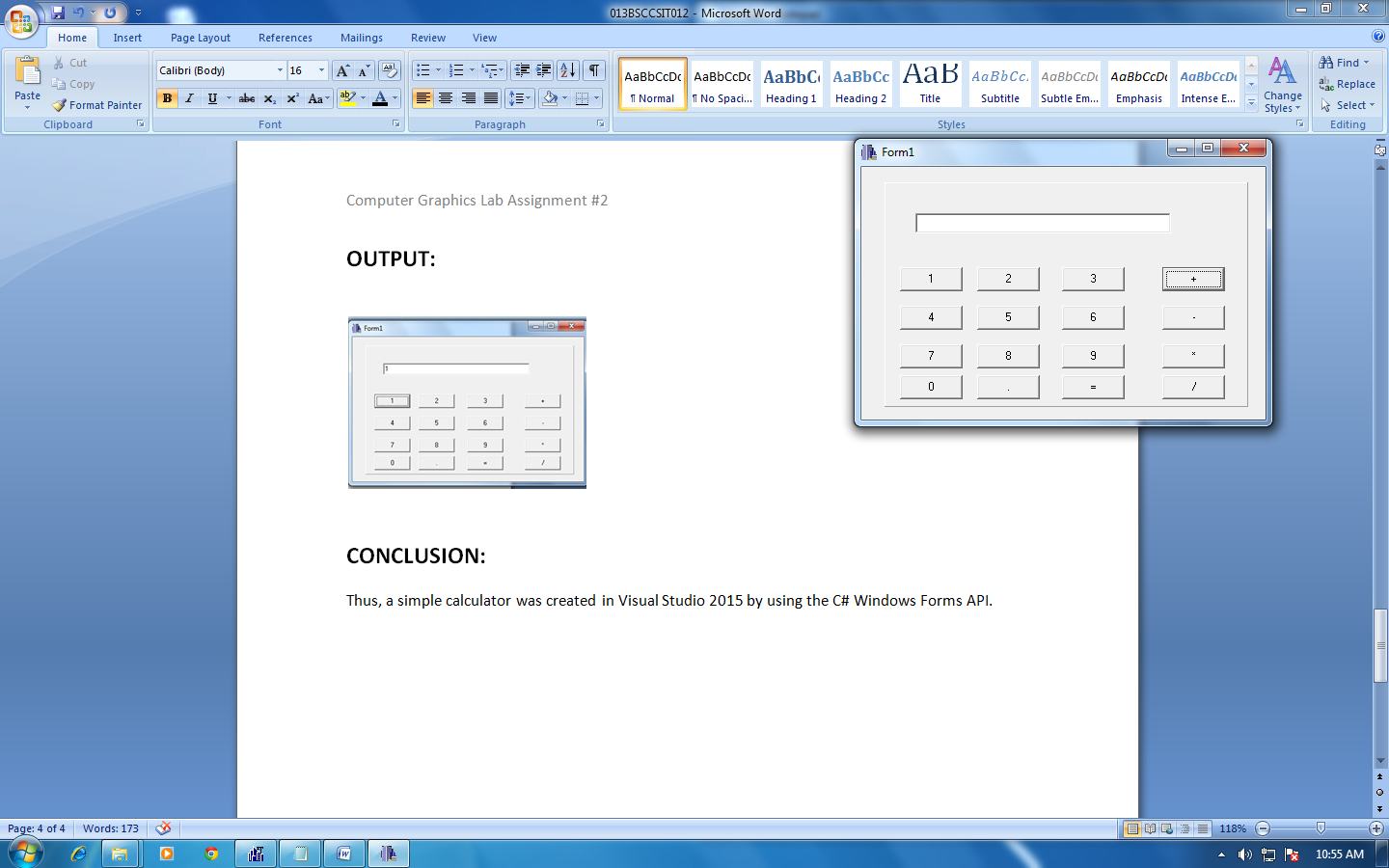
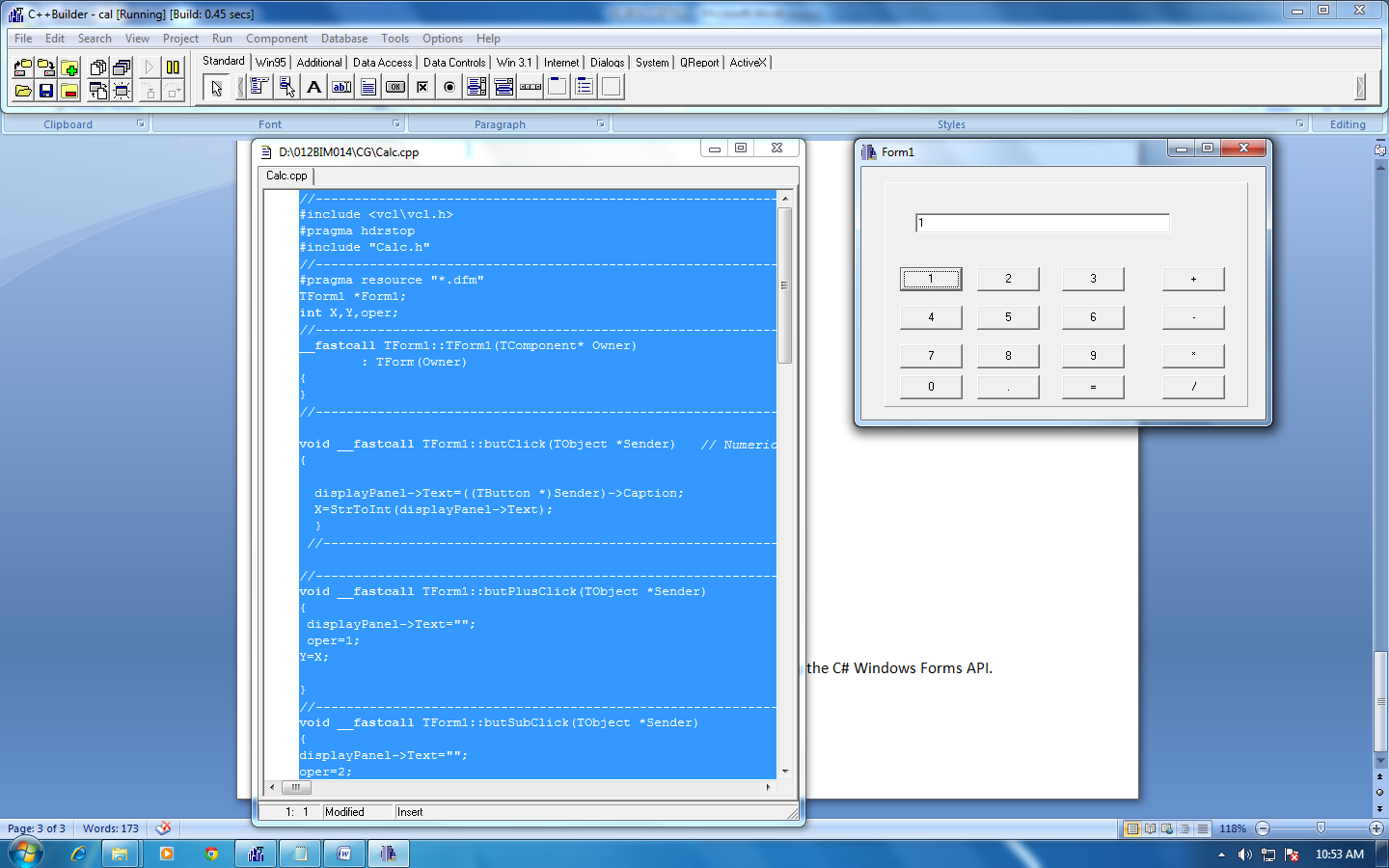
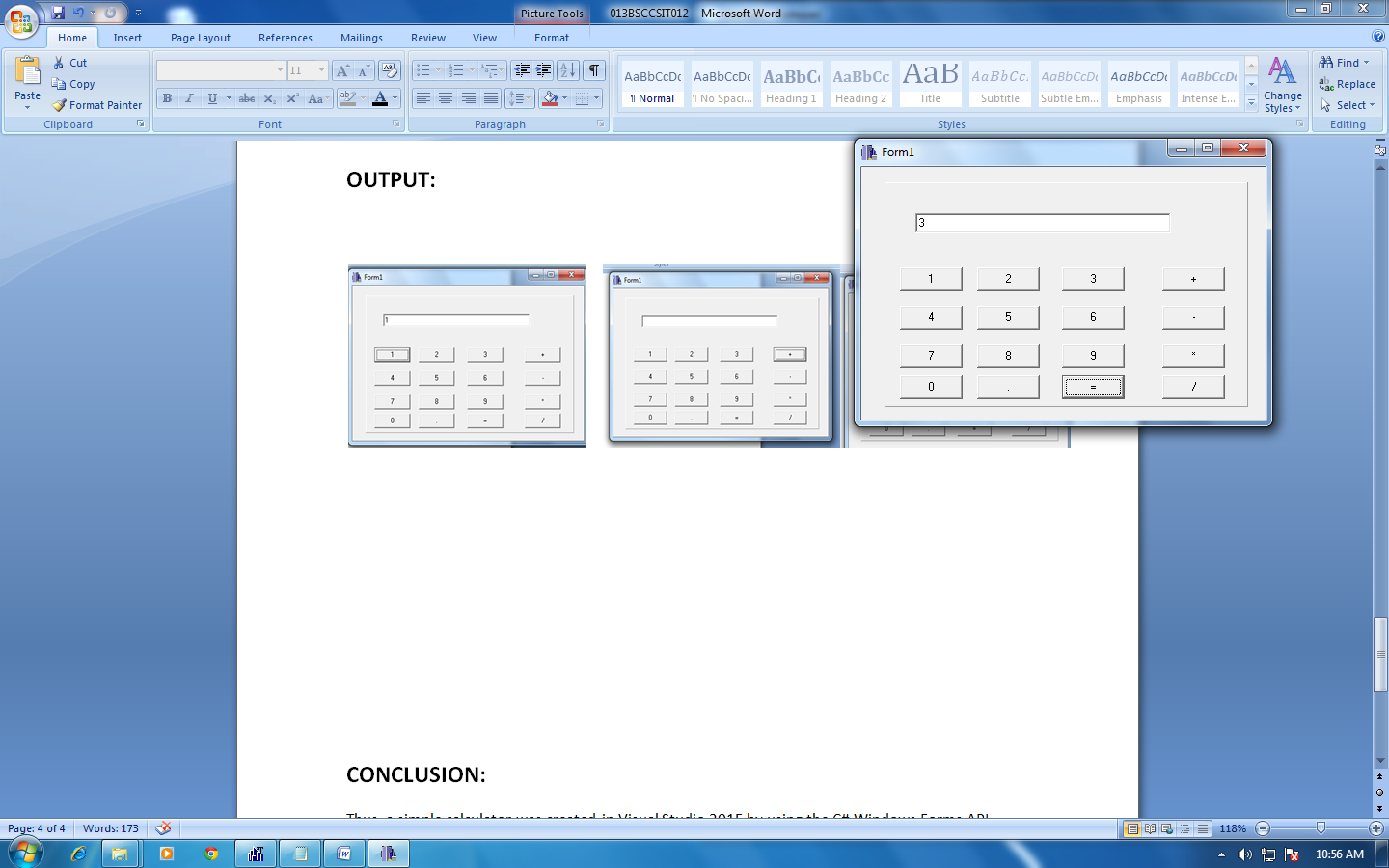
}

//displayPanel->Text = temp;

}

**OUTPUT:**





**CONCLUSION:**

Thus, a simple calculator was created in C++ builder .